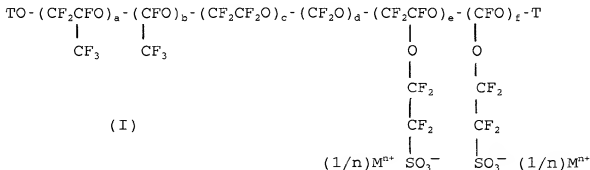


PERFLUOROPOLYETHER ADDITIVES FOR ELECTROCHEMICAL APPLICATIONS

ABSTRACT

Electrolytic compositions comprising a perfluoropolyether additive of formula (I):



wherein:

d,e,f are integers; a,b,c can be zero or integers; being a+b+c+d+e+f such that the number average molecular weight ranges from 500 to 5×10^5 ;

T are end groups $-\text{CF}_2\text{X}$ ($\text{X}=\text{F}, \text{CF}_3, \text{Cl}$), $-\text{C}_3\text{F}_7$, $-\text{CF}(\text{CF}_3)\text{COO}^-$

$(1/n)\text{M}^{n+}$, $-\text{CF}_2\text{COO}^-$ $(1/n)\text{M}^{n+}$, $-\text{CF}_2\text{C}(\text{O}(1/n)\text{M}^{n+})_2\text{CF}_3$;

M^{n+} is a cation having valence $n=1-4$.